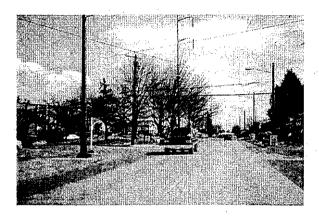
In honor of the donor of the properties which became Westcrest, rename the Westcrest Park the "Clyde Sherman Park".

Acquire small open space areas at east end of SW Thistle St., at bus stops on SW Thistle St. and 25th Ave. SW, at SW Henderson St. and 25th Ave. SW, and at the west entrance to the Westwood Town Center on SW Henderson St.



TRANSPORTATION

IN'PRODUCTION

This section of the Plan contains the transportation element of the Westwood & Highland Park Plan focusing on the issues and solutions for the larger planning area apart from those included in the preceding section. These were developed through a series of community meetings and workshops in which the Planning Committee and the planning team worked with the community to identify problems and issues. These issues were analyzed and addressed with related actions and strategies focused on street capacity, safety, pedestrian access, transit service, and other related topics.

A summary of the "All-West Seattle" transportation program is included at the end of the section.

TRANSPORTATION GOALS & POLICIES

Goal A neighborhood which facilitates movement of people and goods with a particular emphasis on increasing pedestrian safety and access, supporting the economic centers, and encouraging a full range of convenient transportation choices to residents,

<u>Policy</u> Seek to enhance pedestrian access and vehicular and bicycle mobility throughout the n e i g h b o r h o o d.

<u>Policy</u> Encourage the coordination of transportation capital improvements

<u>Policy</u> Seek to **improve**, arterial streets that **promote pedestrian** safety and mobility throughout the neighborhood.

Policy Promote the safe and convenient operation of the Delridge Way SW corridor by improving traffic flow and intersection operation, transit accessibility, and pedestrian and bicycle safety and convenience.

<u>Policy</u> Seek to enhance east/west pedestrian linkages with pedestrian improvements along SW Trenton Street, and SW Thistle Street.

<u>Policy</u> Seek improved infernal east-west transit linkages within the neighborhood,

TRANSPORTATION SOLUTIONS

The following provides information regarding the analysis and recommendations which emerged from the transportation issues identified by the community. These are organized geographic segments or transportation modes. Many other pedestrian improvement recommendations are

included in the Parks and Open Space section of the plan.

DELRIDGE WAYS W CORRIDOR

Roadway configuration, sidestreet connections, intersection channelization, and traffic control in the Delridge Way SW Corridor do not adequately support safe, convenient traffic operations at numerous locations.

The Delridge Way SW corridor plays multiple roles in the street system serving the Westwood & Highland Park neighborhoods. Delridge Way SW links the neighborhoods north to the West Seattle Bridge, and to the surrounding Delridge, Admiral, and Alki neighborhoods. Delridge Way SW also links the neighborhoods south to SR-509 and the First Avenue South Bridge (via SW Roxbury St. and Olson Pl. SW.), and to the White Center area. In addition, Delridge Way SW provides access to neighborhood commercial areas and distributes traffic to and from the east-west streets providing access to lower density residential areas. King County Metro transit operates bus service on Delridge Way SW.

In playing these roles, Delridge Way SW must serve as a main thoroughfare for peak commuter traffic, for local traffic, and for bicycle traffic. Delridge Way SW also must accommodate transit by facilitating efficient bus operations and by providing safe and convenient pedestrian access to and from bus stops. Because some of Delridge Way SW's roles may conflict with others, it is important that Delridge Way SW be designed and operated in a way that balances the needs of traffic capacity, bicycle and pedestrian safety, and neighborhood access.

Objectives and Issues. Improve traffic flow and intersection operation; reduce the incidence of traffic short-cutting on local streets caused or encouraged by Delridge Way SW congestion

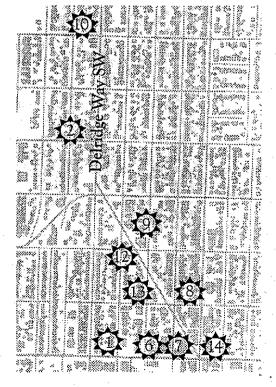
. identify locations for turn lanes, turn restrictions, and traffic control modifications

Improve transit accessibility

- . identify opportunities for consolidating or relocating bus stops
- . identify locations where shelters are needed
- identify pedestrian crossing improvements at bus stops (see below)

Improve pedestrian and bicycle safety and convenience

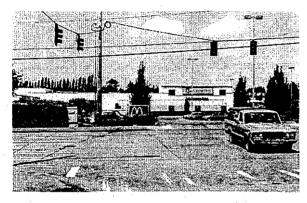
- identify locations for curb bulbs, midblock refuges and medians, curb ramps, pedestrian signals, and other pedestrian safety devices and crossings
- consider need and appropriateness of bicycle lanes



See Transportation Recommendations Figure for Key

Pedestrian Amenities & Transit

Relocate bus stop to maximize safety, comfort and accessibility. Other pedestrian improvements at bus stOp locations include: curb bulbs, refuge islands, signals and marked pedestrian crossings.





Through the Transit Initiative Strategy, improve service links from Westwood and Highland Park to other communities and centers, which will augment newly introduced service: This includes Regional Express service, local transit and potential future models.' Plan for the location and development of transit centers and stops integrated with other community initiatives like the <u>Delridge Way SW</u>, <u>Gateways</u>, and 16th Street Area Plan.

Land Use

Remove advertising prohibition in transit shelters in order to make available advertising revenue to maintain the shelters.

Transportation

In coordination with The Delridge Neighborhood Plan and peninsula-wide transportation improvements, prepare a Comprehensive Delridge Way SW Corridor Traffic Control and Pedestrian Safety Plan:

- . Establish project "Task Force" or "Work Group"
- Develop alternatives intersection/ roadway lane configuration, channelization, and traffic control options (including installation of left turn lanes):
 - . At signalized intersections
 - . At intersection of SW Barton St. and Delridge Way SW
 - . At intersection of 17th Ave. SW, SW Cambridge St. and Delridge Way SW
 - At intersection of SW Roxbury St., 16th Ave. SW and Delridge Way SW

At Delridge Way SW, SW Henderson St., and SW Cambridge St., specify and collect intersection traffic counts (turning / through movements):

Develop alternatives intersections and roadway lane configuration, channelization, and traffic control options (including installation of left turn lanes)

Specify and collect intersection traffic counts (turning / through movements):

- identify intersections, specify analysis periods morning, noon, and/or afternoon peaks, and make counts
- . Select preferred alternative; prepare complete conceptual plan.

Westwood & Highland Park Neighborhood Plan

Project Development Next Steps

- Prepare traffic capacity and operational analyses
- Specify type and location of street, intersection, lane configuration, channelization, traffic control, and pedestrian improvements
- Prepare complete conceptual plan for recommended corridor improvements

SeaTran and Seattle Public Utilities are currently scoping and initiating a UATA-funded signal interconnect and street improvement project that comprises street and signalization improvements on Delridge Way SW between SW Holly St. and SW Henderson St. In this project area, street, traffic control, and streetscape improvement recommendations also are being developed for the Westwood & Highland Park and Delridge Phase 2 Neighborhood Plans.

The Westwood & Highland Park neighborhood Plan recommends that many of the improvements described above may be incorporated in this pending signal interconnect and street improvement project; furthermore, the Delridge Way SW project can and should be designed to facilitate - or at. minimum, not preclude - future implementation of those improvements identified by the WestWood & Highland Park Planning Committee that cannot be incorporated in the current project. The same holds true for the improvements being developed and considered by the Delridge Neighborhood.

Because the neighborhoods' street and traffic control improvement recommendations are not now specific or detailed enough for engineering designs to be prepared, several traffic analysis and conceptual design tasks must be

undertaken to develop the necessary specifics and detail These tasks must be completed in a fairly short timeframe so that the already-established project schedule - on which its funding is predicated - can be maintained. The following work scope proposes a process to address the necessary traffic analysis and conceptual design tasks for the Westwood & Highland Park improvements.

Establish project "Task Force" or" Work Group:"

- . Westwood & Highland Park and Delridge neighborhood group representatives
- . Seattle Department of Neighborhoods
- . SeaTran
- Seattle Public Utilities
- . King County Metro Transit
- . Sound Transit

Specify and collect intersection traffic counts (turning and through movements):

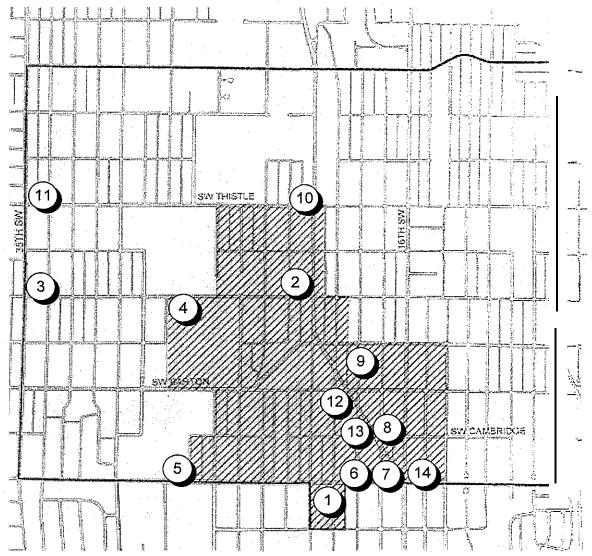
- . identify intersections
- · specify analysis periods: morning, noon, and afternoon peaks
- make counts

Develop alternatives

- intersection and roadway lane configuration, channelization, and traffic control options (including installation of left turn lanes):
 - → At the signalized intersections
 - → At the intersection of SW Trenton St. and Delridge Way SW
 - → At the intersection of 17th Ave. SW, SW Cambridge St. and Delridge
 - → At the intersection of SW Roxbury St., 16th Ave. SW and Del-ridge Way SW.
- bus stop relocations
- pedestrian improvements: type (e.g., curb bulbs, refuge islands, signals) and location

- Page 23

PROPOSED TRANSPORTATION IMPROVEMENTS



LEGEND

- 1. Analyze right-of-way width for boulevard treatment
- 2. Left Turn pockets at traffic signal
- 3. Left Tum pockets at traffic signal
- 4. Turn pocket at entrance to Westwood Town Center
- 5. Install bus pullout
- 6. Resolve safety hazards at 2-lane to1-lane merge
- 7. Conduct traffic operations and safety study
- 8. Resolve long waits, dangerous turns, insufficient radius
- 9. Consider a three way stop and elimination of free left
- 10. Left turn pockets and lights
- 11. Left turn pockets and lights
- 12, Study traffic control and pedestrian safety
- 13. Study traffic control and pedestrian safety
- 14. Study traffic control and pedestrian safety

28th Ave SW& 14th Ave SW
Delridge Way SW & SW Trenton
35th Ave SW& SW Trenton
Next to Post Office in Town Center
SW Roxbury & 28th Ave SW
17th Ave SW & S W Roxbury
Delridge,17th, Cambridge Intersection
17 Ave SW& SW Roxbury
Delridge Way SW & 'SW Thistle
17th Ave SW to Delridge Way SW
35th Ave SW& SW Thistle
SW Barton& Delridge Way SW
17th/Cambridge/Delridge Way SW
SW Roxbury/16th/Delridge Way SW

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Westwood & Highland Park Neighborhood Plan

Select preferred alternative; prepare complete conceptual plan for design and construction.

TRANSIT SERVICE RECOMMENDATIONS

Transit is an integral part of the transportation system serving the Westwood & Highland Park neighborhoods. King County Metro buses serve the downtown Seattle and Duwamish Industrial Area commuters, and provide access to neighborhood commercial areas. Transit also is important because it reduces the number of cars using the over-burdened West Seattle Bridge and First Ave. S Bridge enroute to and from the neighborhood.

Because Westwood & Highland Park transit service is for the most part oriented to the

West Seattle Bridge and downtown Seattle, however, the bus routes run north-south and there is little east-west service. As a result, transit does not serve east-west "travel within the neighborhood (e.g., to and from Westwood Village), travel to and from the Fauntleroy ferry terminal, or trips to and from parks and Puget Sound recreational areas.

Objectives & Issues

Review and evaluate basic route structure serving the neighborhood: identify route revisions to be considered in future King County Metro service planning efforts

Improve the convenience of access and the network connectivity of the transit system . maintain and improve direct connections to and from downtown Seattle; improve connections to the



Eastside (1-405 corridor) and other	
regional employment centers	
. improve bus passenger and	
pedestrian safety and convenience	at
bus stops	

Maximize Westwood & Highland Park access to planned citywide and regional transit services (i.e., Monorail, RTA Express Bus service, Elliott Bay Water Transit service, etc.)

. improve internal neighborhood and other east-west transit connections

TABLE 7
Roadway/Traffic Control Inventory

Street	Section	Lanes	On-Street Parking	Signalized Intersections	Marked Crosswalks
35th Ave.	SW SW Holden S - SW Roxbury St.	t. 4	both sides	Holden, Thistle, Trenton, Henderson*, Barton, Roxbury*	
16th Ave. SV	V SW Holden St, - SW Roxbury St.	2	both sides	Holden, Henderson (all-way stop), Roxbury	
9th Ave 8th Ave. SW	SW Holden St. - SW Roxbury St.	2	both sides	Roxbury	
SW Holden St.	35th Ave. SW - Delridge Way Sw	2	both sides	35th, Delridge	between 28th and 29th
	16th Ave. SW - 9th Ave. SW	2	both sides	16th	
SW Thistle St.	35th Ave. SW - Delridge Way Sw	2	both sides	35th, Delridge	east of 30th, at 26th
SW Trenton St.	35th Ave. SW - Delridge Way Sw	2	both sides	35th, Delridge	
SW Barton St	35th Ave. SW Delridge Way Sw	2	both sides	35th, 30th*, Westwood Village/26th, Delridge	between 26th and 29th
SW Henderson St.	Delridge Way SW - 9th Ave. SW	2	both sides	Delridge, 16th (all-way stop)	11th
SW Roxbury St.	35th Ave. SW 8th Ave. SW	- 4	no	35th, 30th*, 27th (peal), 26th, 20th (peal), 17th, 16th, 15th, 8th*	

left turns made from travel lane (no left turn lanes)

Traffic Management/Calming and Spot Improvements

There are a number of local streets and intersections throughout the Westwood & Highland Park neighborhoods that experience excessive speeds or inappropriate through-traffic flows that create safety hazards for other motorists, pedestrians, and bicyclists, cause inconveniences for local residents, and

generally degrade the residential environment. These problems can be addressed by means of traffic calming, traffic control, and street network improvements.

Objectives & Issues

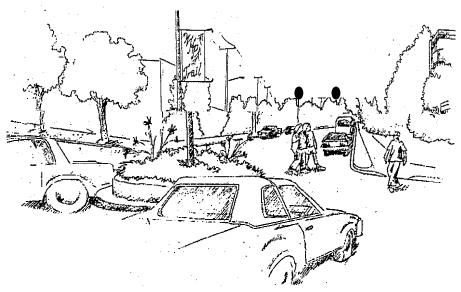
Eliminate localized traffic and pedestrian safety hazards and reduce cut-through traffic on neighborhood streets

- identify locations for safetyImprovements
- . identify locations for traffic calming measures
- . clarify traffic controls on neighborhood streets

Near-Term Recommendations
Develop a phased action program for
installing sidewalks, traffic circles, curbs
and gutters, and storm drainage facilities in
areas which are undeserved. SW Thistle
St. east of Delridge Way SW is to receive
initial priority and to include pedestrian
and bicycle improvements linked to the
arterial improvement program

recommended for SW Thistle St. west of Delridge Way SW.

To ensure better fitter control, install trash cane at transit stops. Include in this requirement a trash pickup schedule, focusing on Delridge downtown; SW Roxbury St. and Delridge Way SW; and Westwood Town Center.



ACTION PROGRAM FOR WEST SEATTLE ACCESS

Introduction

This section of the plan summarizes a collaborative process in representatives of the five West Seattle "planning" neighborhoods - Admiral, West Seattle Junction, Morgan Junction, Delridge, and Westwood & Highland Park, and representatives of the Alki and Fauntleroy neighborhoods -- have developed a comprehensive and coordinated set of transportation recommendations for West Seattle. A separate report detailing the

4/23/99

finding, conclusions, and recommendations of this effort is available from the Neighborhood Planning Offices.
The objectives of this process were to: Identify and define the transportation system problems and deficiencies that are of greatest concern to West Seattle neighborhoods

Establish a process for addressing those problems and *deficiencies*.

Addressing congestion on the West Seattle freeway is of paramount importance to the communities. (In fact, "doing *something*" about the West Seattle Bridge emerged as the number one priority in almost all of the neighborhoods.) In addition to issues related to general West Seattle access and

"The Bridge," a wide range of transportation issues and needs were identified, and each of the neighborhood plans includes a comprehensive set of traffic and transportation system

improvement recommendations. Many of these recommendations are local, focusing on and affecting a particular location or limited area entirely within the neighborhood. Other neighborhood recommendations. however, have broader impacts and implications,

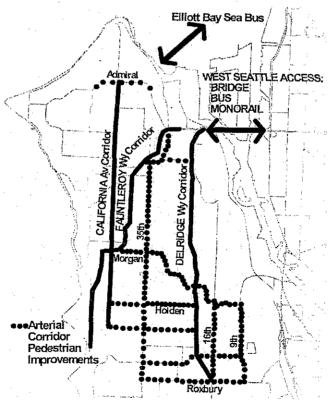
and require concurrence and coordination among two or more neighborhoods.

Although each neighborhood group had limited resources, they all expressed interest in addressing the identified issues of universal concern to West Seattle. especially the issue of congestion on the limited street and highway links connecting West Seattle to the rest of the city and to the regional highway system. Recognizing the need to develop a comprehensive and coordinated set of transportation recommendations for West Seattle. representatives of the five neighborhoods preparing Neighborhood Plans (mentioned above) and representatives of the Alki and Fauntlerov neighborhoods met several times to develop such a set. The

recommendations of this joint "West Seattle Neighborhoods Transportation Committee" are compiled in this Plan. The recommendations also are incorporated in each of the Neighborhood Plans.

The West Seattle recommendations compiled in this Plan are grouped in thee categories

• The West Seattle
Access Program
contains
recommendations
for improving
transportation
access into and
out of West
Seattle. These
recommendation
focus on all modes



and types of transportation - public and private, auto and transit - and address issues and needs that affect all of West Seattle.

- The West Seattle Circulation Program contains recommendations for improving circulation within and throughout West Seattle. These recommendation focus on the needs of auto, bicycle, and pedestrian circulation within West Seattle. Some recommendations address "system" needs (e.g., the need for a complete network of bicycle routes serving West Seattle) while other recommendations address needs that, although localized in nature, are found throughout West Seattle (e.g., improved pedestrian crossings on arterial streets).
- . The Inter-Neighborhood Projects are recommendations for improvements in corridors that are located in and affect more than one neighborhood.

Between 1990 and 2010, the West Seattle travel demand is expected to increase by more than 25% with commuting trips being predominantly oriented towards Central and South Seattle.

Long-Twin All-West-Seattle Recommendations

Develop and implement a comprehensive "action program" of transportation system improvements and actions that will fully address the existing and future access needs of the entire West Seattle community. The action program must:

- . define and quantify existing and future access needs
- . be comprehensive: it must jointly address all modes of transportation, and it must address all levels of detail, from the "universal" (e.g., transportation system capacity) to the "microscopic"

- (e.g., traffic operations on Bridge onramps)
- identify immediate, near-term, and long-range improvements and actions, and develop an implementation program for them

West Seattle Bridge - Spokane St. Viaduct Bus Operations:

The City of Seattle, the Port of *Seattle*, WSDOT, and Metro should cooperate to provide roadway, intersection, and traffic control improvements that give Regional Express and Metro buses priority to, from, onto, off of, and across the West Seattle Bridge and the Spokane St. Viaduct. Such improvements may include

- add lanes for HOV on the Bridge and the Viaduct
- intersection and ramp queue jump/bypass lanes on Bridge and Viaduct access routes
- traffic signal priority and preemption

Regional Express (RTA) Bus Service

"Regional Express," the express bus division of Sound Transit (RTA) plans to begin operating a number of express bus routes throughout the region in the fall of 1999. One of the Regional Express routes will operate between Sea-Tat Airport and downtown Seattle via Burien, White Center, Fauntleroy, and West Seattle.

. Recognizing the need to make limited stops on this express service, the Regional Express West Seattle route should maximize the connections and access it provides in West Seattle, including transfers with Metro routes and access to the Fauntleroy Ferry Terminal, ensuring that the Regional Express bus route serves the urban villages along California Ave SW,

Westwood & Highland Park Neighborhood Plan

. The Regional Express West Seattle route should be extended or through-routed via 1-90 to the Eastside after stopping in downtown Seattle.

Elliott Bay "Seabus"

ti i

The existing Elliott Bay Water Taxi, begun in 1997, is a summer-season passenger-only ferry service connecting West Seattle and downtown Seattle. The Water Taxi service should be expanded into a permanent year-round system (like Vancouver, BC'S Seabus) that is designed to be an integral and important element of the transportation system serving West Seattle. In order to determine the capital and operational requirements of such a system and to guide its incremental development, a long range comprehensive master plan for facilities and services - on both sides of Elliott Bay - should be prepared.

Connections to the West Seattle Seabus terminal should be expanded and improved. Bus service, shuttle/circulator service, a potential tram/funicular system, parking (or lack thereof), and bike/peal pathways should be addressed.

Improve and expand public transportation facilities and services providing access to/from West Seattle:

- . Improve speed and efficiency of existing and future bus service by enabling buses to avoid traffic congestion
- . Expand service coverage in West Seattle make transit services more easily accessible to more people and activities
- . Expand transit network connections provide more and better linkages between West Seattle and other parts of the City and region

 Develop new, alternative modes of public transportation to provide additional "auto-less" access to West Seattle (e.g., waterborne transit, monorail)

Metro should continue to expand service hours and frequency of its West Seattle service. Also, Metro should continue to increase the number of West Seattle, Seattle, and King County origins/ destinations served by West Seattle routes.

Several transit "hubs," where multiple bus and rail routes can exchange passengers, should be developed to improve the efficiency, effectiveness, and utility of West Seattle transit service:

- A transit hub on Spokane St. near I-5 would provide West Seattle buses with direct Eastside connections, transfers with South Seattle, South King County, and Eastside bus routes inbound and outbound to/from downtown, and a link to the RTA's future Commuter Rail line.
- A transit hub at the west end of the West Seattle Bridge would provide a connection point for Metro and Regional Express bus routes serving various parts of West Seattle (including shuttles/circulators) and for access to the Elliott Bay "Seabus" terminal.
- A transit hub at the West Seattle
 Junction would provide a
 connection point for Metro and
 Regional Express bus routes serving
 various parts of West Seattle.
- Encourage electrification of local West Seattle bus routes.

In addition to the hubs, direct bus-only ramps connecting the Spokane St. Viaduct aud the E-3 Busway (to/from" the downtown transit tunnel) are needed to

improve travel times fOr West Seattle-downtown transit service.

- . identify locations for traffic calming measures
- . clarify traffic controls on neighborhood streets

SeaTran should work with West Seattle neighborhoods to identify appropriate traffic calming and traffic control devices to decrease speeds and discourage through traffic as recommended in the neighborhood plans

Inter-Neighborhood Projects

The Inter-Neighborhood Projects are recommendations for improvements in corridors that are located in and affect more than one neighborhood.

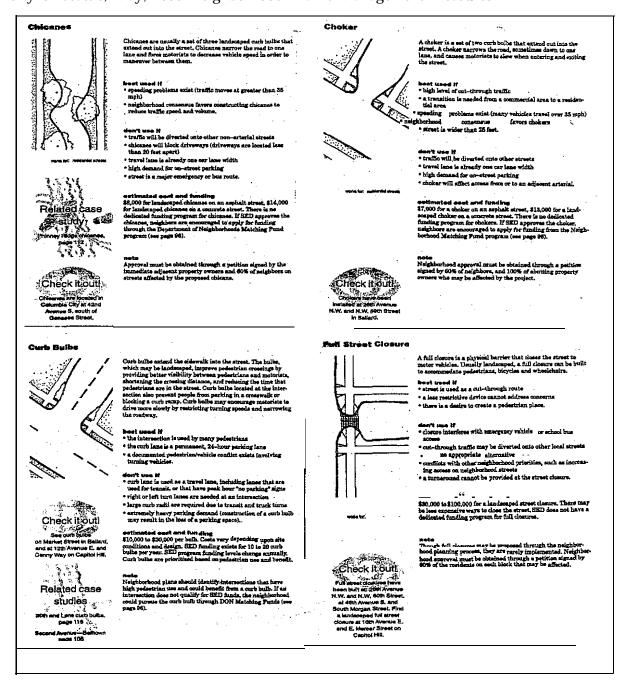
Recommended improvements that involve more than one neighborhood include:

- . Fauntleroy Way SW corridor
- . Delridge Way SW corridor
- . California Ave. SW corridor

Attachment 1

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Excerpt: Making Streets That Work, a neighborhood planning tool City of Seattle, May, 1996 Neighborhood Traffic Management Measures



reliminary Cost Estimates

reliminary Cost Estimates					
Improvement	Unit Cost				
bus-only lanes, queue-jump signal	\$50,000-3+ million				
bus stop bulb	\$10,000-15,000				
bus zone landing pad	\$1/000-5,000				
angle parking	\$1,000 / block				
chicane	\$8,000-14,000				
choker	\$7,000-13,000				
curb radius reduction	\$10/000-20,000				
full street closure	530,000-100,000				
left turn signal	\$10,000-40,000				
medians	\$150-200 / linear foot				
one-way streets (signs only)	\$500 / block				
partial street closure	\$6,500				
raised intersection	\$70,000				
speed hump	\$2,000				
traffic circle	\$4,000-6,000				
traffic signal	\$60,000-150,000Ъ				
center two-way left turn lane	\$1,000 / block				
signs	\$75-100				
bike lanes	\$10,000-50,000 / mi				
sidewalks	\$10,000-40,000 / block				
marked crosswalk	\$300-3,000				
curb bulb	\$ 1 0 , 0 0 0 - 2 0 , 0 0 0				
curb ramp	\$1,500				
pedestrian refuge island	\$6,000-9,000				
pedestrian traffic signal	\$15,000-25,000				
jurce: Making Streets That Work a neighborhood planning tool City					

ource: Making Streets That Work, a neighborhood planning tool, City of Seattle, May, 1996 (except bus-only lanes, sidewalks, and traffic signal)